



सत्यमेव जयते

Government of India

विद्युतमंत्रालय

Ministry of Power

पूर्वी क्षेत्रीयविद्युतसमिति

EASTERN REGIONAL POWER COMMITTEE

मासिक प्रगति रिपोर्ट

PROGRESS REPORT FOR THE MONTH OF

अगस्त- 2020

August- 2020



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INDEX

Sl. No.	Contents	Page No.
1	Highlights & Salient Features	1-2
2.	Power Supply Position of Eastern Region and Constituents wise performance	3-3A
5.	Comparative study of power supply position with previous year	4
7.	Performance vis-à-vis Energy Generation from Power Stations	5-6
8.	Plant Load Factor(PLF) of Thermal Power Stations	7-8
9.	Power Scenario at the time of Regional Peak	9
10.	Hourly Load/Generation Data of region for Peak day & Lean day	10
11	Notified Power Cut, Restriction & Power Supply to Agriculture Sector	11
ANNEXURES		
I	Frequency Analysis	12
II	Voltage Analysis	13
III	Reservoir level of major hydro stations and Import from IPPs/CPPs by Constituents	14
EXHIBITS		
I	Chart: Effective Capacity & Generation Corresponding to Peak Demand Met	15
II	Chart: Net Energy Generation & Reservoir Levels recorded	16
III	Chart: Capacity & Generation pattern of the Peak Day	17
IV	Daily Regional Peak Demand Met & Shortage	18
V	Hourly Load/generation Pattern of Peak Day	19
VI	Hourly Load/generation Pattern of Lean Day	20
VII	Monthly Load Duration Curve	21
VIII	Reservoir Levels	22

Highlights of Eastern Regional Power System for August-2020

- The **Maximum Net Demand** met of **Eastern Region (ER)** during the month of **Aug, 2020** was **22192 MW** which is 5.15% less than the **Aug, 2019** (23398 MW). Individual **Peak Demand (MW)** most of the constituents **decreased** compared to the corresponding period of last year.
- The **Average Net Energy Consumption** per day in ER for the month of **Aug,2020** was **447.69 MU** excluding export, which is 2.87% less than the corresponding period of last year (460.87 MU).
- **The Average regional PLF of thermal units during the month is 59.20%**, which is 3.50% more than the corresponding period of the last year (**55.70%**).
GMR (IPP) registered the highest **PLF** of 93.21%, followed by DVC (Koderma STPS) 93.05% and DVC (Chandrapura U#7,8) 91.61% during the month of **Aug, 2020**.
- **Maximum Net generation** was **27574 MW** against total **Effective Capacity of 39691.26 MW** (including import from Bhutan). At the time of Regional peak (**22192 MW** on 30.08.2020 at 21.00 hrs.) the generation was 24574 MW and import from CPP was 1117 MW, Net export was 3499 MW.
- The system frequency in the IEGC recommended band (49.9 Hz to 50.05 Hz) remained for 80.91% of time during the month. **Average frequency** for the month was **50.00 Hz**. The instantaneous maximum and the minimum frequency touched were 50.23 Hz and 49.60 Hz respectively. The integrated (Fifteen minutes time block average) maximum and minimum frequency were **50.16 Hz** and **49.70 Hz** respectively (**refer Annexure-I**).
- The **Maximum Voltage** recorded **425 KV** at Binaguri 400 KV S/s whereas the minimum voltage recorded 386 KV at Muzzaffarpur 400 KV S/s of Power grid.
- The **Maximum Export from ER to outside region** was **9660 MW (including Nepal and Bangladesh)** on **4th Aug, 2020** at 21:00 hrs. Total net energy export during the month was 3695.19 MU (Inc.Transmission loss) MU which is corresponds to 22.11 % of ex-bus total generation 16713.47 MU of Eastern Region.
- The import from CPPs was 859.97 MU during the month.
- **Export(+)/Import(-) during the month:**

Region/Country	Max. Export of Power from ER (MW)	Max. Import of Power by ER (MW)	Net Export of Energy inc. Transmission loss(MU)
NR	6316	0	2609.38
WR	0	3927	-1582.58
SR	3459	0	1369.37
NER	1380	0	541.85
BANGLADESH	961		703.35
NEPAL (via-CTU)	222		53.83
Total	9660	3927	3695.19
NEPAL by Bihar(NBPDCL)			5.24

SALIENT FEATURES

(YEAR TO YEAR COMPARISION)

		Aug-20	AUGUST-2019	CHANGE	% CHANGE
1)	Effective Capacity (end of the Month)				
	THERMAL (MW)	30130	28660	1470	5.13
	HYDRO (MW)	5877	\$ 5876	1	0
	DIESEL (MW)	0	0	0	0
	RES (MW)	1489	1336	0	0
	TOTAL (MW)	37495	35872	1623	4.53
2)	Peak Demand (MW)	22399	23421	-1022	-4.36
3)	Peak Demand Met (MW)	22192	23398	-1206	-5.15
4)	Shortage (MW)	207	22	185	840.60
5)	% Shortage	0.92	0.10	0.82	823.83
6)	Average Energy Requirement Per Day (MU)	449.62	462.1	-12.51	-2.71
7)	Average Energy Availability Per Day (MU)	447.69	460.9	-13.18	-2.86
8)	Average Shortage Per Day (MU)	1.93	1.26	0.67	53.55
9)	% Shortage	0.43	0.27	0.16	59.37
10)	Net Generation for the Month				
	Thermal (MU)	12212.10	10870.83	1341.27	12.34
	Hydro (MU)	4408.81	* 3955.27	453.54	11.47
	RES (MU)	92.55	43.42	0.00	-
	Total (MU)	16713.47	14869.52	1843.95	12.40
11)	Generation at the Time of Max. Regional Demand Met (30-08-20 at 21.00 Hrs.)				
	Thermal (MW)	17613	16806	807	4.80
	Hydro (MW)	6910	* 6442	468	7.26
	RES(MW)	50	53	-3	-5.32
	Total (MW)	24573	23301	1272	5.46
12)	Inter-Regional Energy Transfer				
	Export (MU)	5277.77	3652.91	1624.86	44.48
	Import (MU)	1582.58	2454.00	-871.42	-35.51
	Net Exp.(+)/Net Imp.(-) (MU)	3695.19	1198.90	2496.29	208.22
13)	Import From Captive(MU)	859.97	618.99	240.98	38.93
14)	Peak Inter Regional Power Transfer				
	Max Export (MW) on 04-08-20 at 21.00Hrs	9660	7016	2644	37.68
	Max Import (MW) on 31-08-20 at 03.00Hrs	3927	5165	-1238	-23.96
	Max Net Export(+)/Import (-) (MW)	7914	5241	2673	51.00
15)	Maximum voltage recorded	425	BINAGURI	400 kv s/s	
16)	Minimum voltage recorded	386	MUZAFFARPUF	400 kv s/s	

\$ Excludes 2196 MW contribution from HEPs of Bhutan

* Includes contribution from HEP of Bhutan (Chukha, Kurichhu ,Dagahhu , Tala & Mangdechhu HEP)

1.Regional and individual constituents Demand Met in MW as well as requirement Met in MU is less than the same month of last year due to locked down on account of COVID-19.

POWER SUPPLY POSITION FOR THE MONTH OF AUGUST'2020

A) Net Average Energy Per Day

System	Demand Met (MU/Day)	Requirement (MU/Day)	Shortage (MU/Day)	% Shortage
BSPHCL	110.96	112.84	1.88	1.67
JUVNL	27.53	27.84	0.31	1.10
DVC	61.09	61.12	0.03	0.05
ODISHA	84.90	84.94	0.04	0.05
WBSIEDCL	131.39	131.55	0.16	0.12
CESC	30.16	30.18	0.01	0.05
SIKKIM	1.15	1.15	0.00	0.05
REGION	447.69	449.62	1.93	0.43

B) Peak Demand in MW:

System	Demand Met (MW)	Requirement (MW)	Shortage (MW)	% Shortage
BSPHCL	5915	5995	80	1.34
JUVNL	1470	1643	173	10.54
DVC	2801	2805	4	0.15
ODISHA	4476	4493	17	0.38
WBSIEDCL	6950	6966	15	0.22
CESC	1744	1746	2	0.1
SIKKIM	77	78	1	1.28
REGION	22192	22399	207	0.92

➤ **DIVERSITY FACTOR** **1.06**

➤ **Regional Peak Demand Met on 30-8-2020 at 21.00 hrs. at 50.04 Hz.**

CONSTITUENT-WISE PERFORMANCE DATA AUGUST-2020

SYSTEM	Gross Generation(MU)				Auxiliary power Consumption(MU)				Net Generation (MU)				Import from Captive (MU)	Exchange Net Import(+) Net Export(-)	Energy Consumption(MU)	Per Day Cons.(MU)	Net Peak Demand (MW)	Gross Peak Demand (MW)
	HYDRO	Thermal	RES (Hy+Solar)	Total	HYDRO	Thermal	Solar	Total	HYDRO	Thermal	Solar	Total						
BSPHCL	0.00	183.48	20.56	204.04	0.00	20.76	0.00	20.76	0.00	162.72	20.56	183.27	0.00	3256.42	3439.70	111.0	5915	5915
JUVNL	23.38	181.58	0.00	204.96	0.00	22.97	0.00	22.97	23.38	158.61	0.00	181.99	41.10	630.40	853.49	27.5	1470	1504
DVC	79.28	3219.23	0.00	3298.51	0.18	223.57	0.00	223.76	79.10	2995.66	0.00	3074.76	13.91	-1194.75	1893.92	61.1	2801	3134
ODISHA(OPGC+OHPC+TTPS)	702.38	978.45	60.87	1741.70	5.89	97.36	0.00	103.25	696.50	881.09	60.87	1638.45	691.49	302.01	2631.96	84.9	4476	4598
WBPDC+WBSEDCL+DPL	190.98	2130.81	8.33	2330.12	0.00	188.07	0.00	188.07	190.98	1942.74	8.33	2142.05	113.47	1817.59	4073.10	131.4	6950	7561
CESC	0.00	509.42	0.00	509.42	0.00	38.84	0.00	38.84	0.00	470.58	0.00	470.58	0.00	464.45	935.03	30.2	1744	1805
HEL	0.00	395.07	0.00	395.07	0.00	30.45	0.00	30.45	0.00	364.61	0.00	364.61	0.00	-364.61				
SIKKIM	0.00	0.00	2.00	2.00	0.00	0.00	0.00	0.00	0.00	0.00	2.00	2.00	0.00	33.77	35.77	1.2	77	77
NTPC	0.00	3970.66	0.80	3971.45	0.00	320.68	0.00	320.68	0.00	3649.98	0.80	3650.78	0.00	-3650.78				
MPL	0.00	503.23	0.00	503.23	0.00	33.64	0.00	33.64	0.00	469.59	0.00	469.59	0.00	-469.59				
APNRL	0.00	294.95	0.00	294.95	0.00	23.04	0.00	23.04	0.00	271.91	0.00	271.91	0.00	-271.91				
GMR	0.00	485.42	0.00	485.42	0.00	32.01	0.00	32.01	0.00	453.40	0.00	453.40	0.00	-453.40				
JITPL	0.00	418.33	0.00	418.33	0.00	27.11	0.00	27.11	0.00	391.22	0.00	391.22	0.00	-391.22				
NHPC (Inc TLDP= 161.3 MU)	594.91	0.00	0.00	594.91	0.00	0.00	0.00	0.00	594.91	0.00	0.00	594.91	0.00	-594.91	0.00			
CHUZACHEN HPS	85.31	0.00	0.00	85.31	0.00	0.00	0.00	0.00	85.31	0.00	0.00	85.31	0.00	-85.31	0.00			
DIKCHU HPS	78.75	0.00	0.00	78.75	0.00	0.00	0.00	0.00	78.75	0.00	0.00	78.75	0.00	-78.75	0.00			
JORHANG HPS	57.72	0.00	0.00	57.72	0.00	0.00	0.00	0.00	57.72	0.00	0.00	57.72	0.00	-57.72	0.00			
TASHIDING HPS	57.69	0.00	0.00	57.69	0.00	0.00	0.00	0.00	57.69	0.00	0.00	57.69	0.00	-57.69	0.00			
TEESTA-III HPS	898.25	0.00	0.00	898.25	0.00	0.00	0.00	0.00	898.25	0.00	0.00	898.25	0.00	-898.25	0.00			
CHPC(Birpara Receipt)	308.49	0.00	0.00	308.49	0.00	0.00	0.00	0.00	308.49	0.00	0.00	308.49	0.00	-308.49	0.00			
KHPS	76.54	0.00	0.00	76.54	0.00	0.00	0.00	0.00	76.54	0.00	0.00	76.54	0.00	-76.54	0.00			
THPS	632.72	0.00	0.00	632.72	0.00	0.00	0.00	0.00	632.72	0.00	0.00	632.72	0.00	-632.72	0.00			
DAGACHU HPS	85.55	0.00	0.00	85.55	0.00	0.00	0.00	0.00	85.55	0.00	0.00	85.55	0.00	-85.55	0.00			
Mangdechhu HEP	542.93	0.00	0.00	542.93	0.00	0.00	0.00	0.00	542.93	0.00	0.00	542.93	0.00	-542.93	0.00			
Total Drawal by HVDC Sahsaram,Alipurduar														15.27	15.27			
Total	4414.88	13270.62	92.55	17778.06	6.07	1058.52	0.00	1064.59	4408.81	12212.10	92.55	16713.47	859.97	-3695.19	13878.25	447.7	22192	23833

POWER SUPPLY POSITION IN EASTERN REGION DURING THE YEAR AS COMPARED TO PREVIOUS YEAR

A) Net Average Energy

Month	2019-20					2020-21				
	Demand Met	Requirement	Shortage	Shortage	Avg. Freq.	Demand Met	Requirement	Shortage	Shortage	Avg. Freq.
	(MU/Day)	(MU/Day)	(MU/Day)	(%)	(HZ)	(MU/Day)	(MU/Day)	(MU/Day)	(%)	(HZ)
APRIL	428.71	429.56	0.85	0.20	50.00	323.3	324.2	0.93	0.29	50.00
MAY	451.15	452.79	1.64	0.36	49.99	357.93	360.37	2.45	0.68	50.00
JUNE	461.72	462.87	1.15	0.25	49.99	425.23	425.91	0.69	0.16	50.00
JULY	450.73	451.52	0.79	0.17	50.00	447.56	448.25	0.70	0.16	49.99
AUGUST	460.87	462.13	1.26	0.27	49.99	447.69	449.62	1.93	0.43	49.99
SEPTEMBER	445.43	446.55	1.12	0.25	50.00	-	-	-	-	-
OCTOBER	391.21	391.33	0.12	0.03	50.00	-	-	-	-	-
NOVEMBER	344.02	344.15	0.12	0.04	50.00	-	-	-	-	-
DECEMBER	338.90	339.25	0.35	0.10	49.99	-	-	-	-	-
JANUARY	349.04	349.39	0.34	0.10	49.99	-	-	-	-	-
FEBRUARY	358.72	359.75	1.03	0.29	49.99	-	-	-	-	-
MARCH	338.29	338.62	0.33	0.10	50.00	-	-	-	-	-

B) Peak in MW:

Month	2019-20					2020-21				
	Demand Met	Requirement	Shortage	Shortage	Avg. Freq.	Demand Met	Requirement	Shortage	Shortage	Avg. Freq.
	(MW)	(MW)	(MW)	(%)	(HZ)	(MW)	(MW)	(MW)	(%)	(HZ)
APRIL	22378	22415	37	0.17	50.00	18093	18302	209	1.14	50.00
MAY	22781	22830	49	0.22	49.99	20166	20306	140	0.69	50.00
JUNE	22808	22867	59	0.26	49.99	21832	21989	156	0.71	50.00
JULY	23154	23246	92	0.40	50.00	22643	22735	92	0.40	49.99
AUGUST	23398	23421	22	0.10	49.99	22192	22399	207	0.92	49.99
SEPTEMBER	23126	23276	150	0.64	50.00	-	-	-	-	-
OCTOBER	21706	21726	20	0.09	50.00	-	-	-	-	-
NOVEMBER	19212	19291	79	0.41	50.00	-	-	-	-	-
DECEMBER	18068	18068	0	0.00	49.99	-	-	-	-	-
JANUARY	18714	18758	44	0.24	49.99	-	-	-	-	-
FEBRUARY	18962	18968	7	0.03	49.99	-	-	-	-	-
MARCH	18670	18767	98	0.52	50.00	-	-	-	-	-

PERFORMANCE OF GENERATING STATIONS IN THE EASTERN REGION DURING THE MONTH OF AUGUST -2020

ORGANI-SATION	TYPE	POWER STATION	INSTALLED CAPACITY (in MW)	EFFECTIVE CAPACITY (in MW)	Gross Energy Generation in MU	Net Energy Generation in MU	Cummulative Gross Energy Generation upto Current Month (2020-21) in MU	Cummulative Net Energy Generation upto Current Month (2020-21) in MU
BIHAR	Thermal	Barauni (U# 6,7)	220.00	210.00	0.00	-0.45	22.93	11.75
		Barauni (U# 8)	250.00	250.00	151.64	138.11	586.01	516.01
		Muzaffarpur Stg-I	220.00	220.00	31.84	25.06	38.58	26.68
		Thermal Total	690.00	680.00	183.48	162.72	647.52	554.44
	RES		341.25	341.25	20.56	20.56	103.54	103.54
		Total BIHAR	1031.25	1021.25	204.04	183.27	751.06	657.97
JHARKHAND								
TVNL	Thermal	TVNL	420.00	420.00	181.58	158.61	964.27	844.26
JSEB	Hydro	Subarnrekha (U#1,2)	130.00	130.00	23.38	23.38	29.40	29.40
	RES		46.75	46.75	0.00	0.00	0.00	0.00
		Total	176.75	176.75	23.38	23.38	29.40	29.40
DVC	Thermal	Bokaro-B(3)	210.00	210.00	0.00	-0.99	10.87	7.24
		Chandrapura(U7 # 8)	500.00	500.00	340.80	308.59	1255.54	1129.35
		Durgapur(4)	210.00	210.00	0.00	-0.56	0.00	-1.85
		Mezia(1,2,3,4,5,6)	1340.00	1340.00	496.38	446.23	2033.53	1817.08
		Mezia(U # 7,8)	1000.00	1000.00	547.61	515.85	2049.35	1930.76
		Bokaro-A(1)	500.00	500.00	304.56	288.11	1257.53	1184.85
		Durgapur STPS (U#1,2)	1000.00	1000.00	304.77	282.65	2101.74	1967.46
		Raghunathpur TPS (U#1,2)	1200.00	1200.00	532.81	499.62	1880.24	1758.93
	Koderma STPS (U#1,2)	1000.00	1000.00	692.30	656.16	2814.81	2658.85	
			Total Thermal	6960.00	6960.00	3219.23	2995.66	13403.63
	Hydro	Maithon (U#1,2,3)	63.20	63.20	36.24	36.20	116.27	116.08
		Panchet (U#1,2)	80.00	80.00	42.00	41.87	103.56	103.11
		Tilaya (U#1,2)	4.00	4.00	1.04	1.0	1.55	1.5
		Hydro Total	147.20	147.20	79.28	79.09	221.38	220.70
		Total DVC	7107.20	7107.20	3298.51	3074.76	13625.01	12670.99
WEST BENGAL								
WBPDCL	Thermal	Bandel TPS	380.00	335.00	129.85	117.54	346.16	305.92
		Santalalih TPS(U#5&6)	500.00	500.00	233.30	211.83	1278.31	1167.24
		Kolaghat TPS	1260.00	1260.00	121.41	103.12	597.54	509.00
		Bakreswar TPP	1050.00	1050.00	625.30	568.34	2890.31	2628.38
		Sagardighi TPP	1600.00	1600.00	860.61	799.57	3600.47	3345.58
		DPPS (300+250 *)	550.00	550.00	160.34	142.34	1013.72	909.61
		Thermal Total	5340.00	5295.00	2130.81	1942.74	9726.51	8865.74
WBSEDCL	Hydro	Jaldhaka (3x9+2x4)	35.00	35.00	23.94	23.94	91.84	91.84
		Ramam (4x12.73)	51.00	51.00	37.87	37.87	129.17	129.17
		Teesta C.F. (3x3x7.5)	67.50	67.50	4.73	4.73	4.73	4.73
		Purulia PSS (4x225)	900.00	900.00	124.45	124.45	489.62	489.62
		Total Hydro	1053.50	1053.50	190.98	190.98	715.35	715.35
	RES		527.29	527.29	8.33	8.33	52.36	52.36
		➤ Chandrapura #1 is retired on 17.01.17						
		➤ Patratu # 1,2,3,5,8 are retired on 21.12.16						

PERFORMANCE OF GENERATING STATIONS IN THE EASTERN REGION DURING THE MONTH OF AUGUST -2020

ORGANISATION	TYPE	POWER STATION	INSTALLED CAPACITY (in MW)	EFFECTIVE CAPACITY (in MW)	Gross Energy Generation in MU	Net Energy Generation in MU	Cummulative Gross Energy Generation upto Current Month (2019-20) in MU	Cummulative Net Energy Generation upto Current Month (2019-20) in MU		
CESC	Thermal	Titagarh (4x60)	240.00	240.00	0.00	0.00	0.00	0.00		
		Southern (2x67.5)	135.00	135.00	0.00	0.00	0.27	0.24		
		Budge-Budge (3x250)	750.00	750.00	509.42	470.58	2367.53	2183.11		
		Total CESC	1125.00	1125.00	509.42	470.58	2367.81	2183.36		
HEL	Thermal	HEL	600.00	600.00	395.07	364.61	1811.34	1670.76		
		Total West Bengal	8645.79	8600.79	3234.61	2977.24	14673.37	13487.57		
ODISHA (NTPC)	Thermal	Talcher-I	250.00	240.00	159.13	140.98	831.19	738.36		
		Talcher-II	220.00	220.00	139.84	123.89	726.18	645.08		
		Total Thermal	470.00	460.00	298.96	264.86	1557.37	1383.45		
OPGC	Thermal	IB TPS	420.00	420.00	227.45	200.06	1127.17	993.38		
		IB TPS U#3(660 MW)	660.00	660.00	185.67	170.94	1273.17	1189.20		
		IB TPS U#4(660 MW)	660.00	660.00	266.37	245.23	1520.35	1419.59		
OHPC	Hydro	Hirakud-I (Burla)	275.50	275.50	69.89	69.64	298.02	296.81		
		Hirakud-II (Chiplima)	72.00	72.00	33.58	33.47	147.69	146.29		
		Balimela (6x60+2x75)	510.00	510.00	158.26	157.30	816.59	814.15		
		Rengali (5x50)	250.00	250.00	158.20	158.07	512.41	511.02		
		Upper Kolab (4x80)	320.00	320.00	73.78	73.39	430.00	428.91		
		Indravati HPS (4x150)	600.00	600.00	183.23	179.17	898.83	877.55		
		Mckd.(Odisha drawal)	57.38	57.38	25.46	25.46	118.77	118.77		
		Total Hydro	2084.88	2084.88	702.38	696.50	3222.31	3193.50		
		RES	511.21	511.21	60.87	60.87	247.80	247.80		
		Total Odisha	4806.09	4796.09	1741.70	1638.46	8948.16	8426.91		
(**) SIKKIM	Hydro	RES	52.18	52.18	2.00	2.00	8.00	8.00		
NTPC		MTPS Stg-II	390.00	390.00	108.9714	96.12	826.64	736.28		
		FSTPP# I&II (3x200+2x500)	1600.00	1600.00	644.93	586.42	3215.52	2936.89		
		FSTPP (U# 6)	500.00	500.00	236.05	215.88	1216.26	1116.56		
		KhSTPP (4x210+3x500)	2340.00	2340.00	733.90	664.12	5640.52	5180.89		
		TSTPP (2x500)	1000.00	1000.00	611.95	562.51	3210.70	2964.94		
		BARH STPS II (2X660)	1320.00	1320.00	618.83	578.91	2542.35	2368.28		
		BRBCL # 1,2,3(3X250 MW)	750	750	259.92	234.92	1388.50	1261.34		
		NSTPS	660.00	660.00	445.66	424.63	2063.92	1958.17		
		DSTPP	800.00	800.00	310.45	286.47	1250.49	1142.17		
		Total NTPC	9360.00	9360.00	3970.66	3649.98	21354.90	19665.52		
		NHPC	HYDRO	Rangit (3x20)	60.00	60.00	21.61	21.61	139.71	139.71
				Teesta (3x170)	510.00	510.00	382.01	382.01	1598.14	1598.14
				TLDP -(4x33+4x40)	292.00	292.00	191.29	191.29	705.17	705.17
Total NHPC	862.00			862.00	594.91	594.91	2443.02	2443.02		
1586.12	MPL (U#1&2)			1050.00	1050.00	503.23	469.59	2599.12	2433.35	
APNRL (U#1,2)	540.00			540.00	294.95	271.91	1166.18	1072.73		
GMR (2x350)	700.00			700.00	485.42	453.40	1755.42	1634.05		
JITPL (2X600)	1200.00			1200.00	418.33	391.22	2379.57	2227.94		
CHUZACHEN** (2x55)	110.00			110.00	85.31	85.31	302.66	302.66		
JORETHANG (2x48)	96.00			96.00	57.72	57.72	216.12	216.12		
TEESTA URJA St III (6x200)	1200.00			1200.00	898.25	898.25	3601.72	3601.72		
Tashilding (2x48.5)	97.00			97.00	57.69	57.69	233.66	233.66		
DICKCHU (2x48)	96.00			96.00	78.75	78.75	294.17	294.17		
TALCHER SOLAR	10.00			10.00	0.80	0.80	5.42	5.42		
Total Thermal (E.R)	30195.00			30130.00	13270.63	12212.10	63654.32	58588.05		
EASTERN REGIONAL		Total Hydro (E.R)	5876.58	5876.58	2768.64	2762.57	11279.81	11250.31		
		Total RES	1488.68	1488.68	92.55	92.55	417.12	417.12		
		TOTAL (E.R)	37560.26	37495.26	16131.82	15067.23	75351.24	70255.48		
BHUTAN	Hydro	CHPC(4x90)	360.00	270.00	308.49	308.49	1162.45	1162.45		
		Kurichu (4x15)	60.00	60.00	76.54	76.54	247.27	247.27		
		TALA (6x170)	1020.00	1020.00	632.72	632.72	1994.27	1994.27		
		DAGACHU (2x63)	126.00	126.00	85.55	85.55	270.68	270.68		
		MANGDECHU(4x180)	720.00	720.00	542.93	542.93	1949.08	1949.08		
		Grand Total	39846.26	39691.26	17778.06	16713.47	80974.99	75879.22		

PLANT LOAD FACTOR (PLF) OF THERMAL POWER STATIONS IN EASTERN REGION DURING THE MONTH OF AUGUST' 2020

ORGANI- SATION	TYPE	POWER STATION	INSTALLED CAPACITY (in MW)	EFFECTIVE CAPACITY (in MW)	Gross Energy Generation in MU	PLF of Current Month (%)	Cummulative Gross Energy Generation upto Current Month (2020-21) in MU	Cummulative PLF upto Current Month (%)
BIHAR	Thermal	Barauni (U# 6,7)	220.00	210.00	0.00	0.00	22.93	2.97
		Barauni (U# 8)	250.00	250.00	151.64	81.53	586.01	63.84
		Muzaffarpur Stg-I	220.00	220.00	31.84	19.45	38.58	4.78
		Thermal Total	690.00	680.00	183.48	36.27	647.52	25.93
	RES		341.25	341.25	20.56		103.54	
		Total BIHAR	1031.25	1021.25	204.04		751.06	
JHARKHAND								
TVNL	Thermal	TVNL	420.00	420.00	181.58	58.11	964.27	62.52
JSEB	Hydro	Subarnrekha (U#1,2)	130.00	130.00	23.38		29.40	
	RES		46.75	46.75	0.00		0.00	
		Total	176.75	176.75	23.38		29.40	
DVC	Thermal	Bokaro-B(3)	210.00	210.00	0.00	0.00	10.87	1.41
		Chandrapura(U7 # 8)	500.00	500.00	340.80	91.61	1255.54	68.38
		Durgapur(4)	210.00	210.00	0.00	0.00	0.00	0.00
		Mezia(1,2,3,4,5,6)	1340.00	1340.00	496.38	49.79	2033.53	41.33
		Mezia(U # 7,8)	1000.00	1000.00	547.61	73.60	2049.35	55.81
		Bokaro-A(1)	500.00	500.00	304.56	81.87	1257.53	68.49
		Durgapur STPS (U#1,2)	1000.00	1000.00	304.77	40.96	2101.74	57.24
		Raghunathpur TPS (U#1,2)	1200.00	1200.00	532.81	59.68	1880.24	42.67
	Koderma STPS (U#1,2)	1000.00	1000.00	692.30	93.05	2814.81	76.66	
		Total Thermal	6960.00	6960.00	3219.23	62.17	13403.63	52.45
	Hydro	Maithon (U#1,2,3)	63.20	63.20	36.24		116.27	
		Panchet (U#1,2)	80.00	80.00	42.00		103.56	
		Tilaya (U#1,2)	4.00	4.00	1.04		1.55	
Hydro Total		147.20	147.20	79.28		221.38		
	Total DVC	7107.20	7107.20	3298.51		13625.01		
WEST BENGAL								
WBPDCCL	Thermal	Bandel TPS	380.00	335.00	129.85	52.10	346.16	28.14
		Santalidih TPS(U#5&6)	500.00	500.00	233.30	62.71	1278.31	69.62
		Kolaghat TPS	1260.00	1260.00	121.41	12.95	597.54	12.91
		Bakreswar TPP	1050.00	1050.00	625.30	80.04	2890.31	74.96
		Sagardighi TPP	1600.00	1600.00	860.61	72.30	3600.47	61.28
		DPPS (300+250 *)	550.00	550.00	160.34	39.18	1013.72	50.19
		Thermal Total	5340.00	5295.00	2130.81	54.09	9726.51	50.03
WBSEDCL	Hydro	Jaldhaka (3x9+2x4)	35.00	35.00	23.94		91.84	
		Ramam (4x12.73)	51.00	51.00	37.87		129.17	
		Teesta C.F. (3x3x7.5)	67.50	67.50	4.73		4.73	
		Purulia PSS (4x225)	900.00	900.00	124.45		489.62	
		Total Hydro	1053.50	1053.50	190.98		715.35	
		RES		527.29	527.29	8.33		52.36
WBPDCCL, Bandel TPS Unit #3 & Unit #4 (IC=2X82.5 MW, EC=2X60 MW) decommissioned from 01.04.2018.								
1. IB U#3 (660 MW) COD from 03.07.19 2. IB U#4 (660 MW) COD from 21.08.19 3. NSTPS U#1(660 MW) COD from 06.09.2019 4. BARAUNI TPS U#1(250 MW) COD 01.03.2020 5. DARLIPALI S TPS U#1(800 MW) COD 01.03.2020 6. DPL U#6 (110 MW) Decommissioned from 28.01.20 as per CEA. 7. CTPS U#6 (140 MW) Decommissioned from 19.03.2020 as per CEA.								

PLANT LOAD FACTOR (PLF) OF THERMAL POWER STATIONS IN EASTERN REGION DURING THE MONTH OF AUGUST' 2020

ORGANI- SATION	TYPE	POWER STATION	INSTALLED CAPACITY	EFFECTIVE CAPACITY	Gross Energy Generation	PLF of Current Month	Cummulative Gross Energy Generation upto Current Month	Cummulative PLF upto Current Month		
			(in MW)	(in MW)	in MU	(%)	(2020-21) in MU	(%)		
CESC	Thermal	Titagarh (4x60)	240.00	240.00	0.00	0.00	0.00	0.00		
		Southern (2x67.5)	135.00	135.00	0.00	0.00	0.27	0.06		
		Budge-Budge (3x250)	750.00	750.00	509.42	91.29	2367.53	85.97		
		Total CESC	1125.00	1125.00	509.42	60.86	2367.81	57.32		
HEL	Thermal		600.00	600.00	395.07	88.50	1811.34	82.21		
		Total West Bengal	8645.79	8600.79	3234.61		14673.37			
ODISHA (NTPC)	Thermal	Talcher-I	250.00	240.00	159.13	89.12	831.19	94.32		
		Talcher-II	220.00	220.00	139.84	85.43	726.18	89.89		
		Total Thermal	470.00	460.00	298.96	87.35	1557.37	92.20		
OPGC	Thermal	IB TPS	420.00	420.00	227.45	72.79	1127.17	73.09		
		IB TPS U#3(660 MW)	660.00	660.00	185.67	37.81	1273.17	52.53		
		IB TPS U#4(660 MW)	660.00	660.00	266.37	54.25	1520.35	62.73		
OHPC	Hydro	Hirakud-I (Burla)	275.50	275.50	69.89		298.02			
		Hirakud-II (Chiplima)	72.00	72.00	33.58		147.69			
		Balimela (6x60+2x75)	510.00	510.00	158.26		816.59			
		Rengali (5x50)	250.00	250.00	158.20		512.41			
		Upper Kolab (4x80)	320.00	320.00	73.78		430.00			
		Indravati HPS (4x150)	600.00	600.00	183.23		898.83			
		Mckd.(Odisha drawal)	57.38	57.38	25.46		118.77			
		Total Hydro	2084.88	2084.88	702.38		3222.31			
		RES	511.21	511.21	60.87		247.80			
		Total Odisha	4806.09	4796.09	1741.70		8948.16			
(**) SIKKIM	Hydro	RES	52.18	52.18	2.00		8.00			
NTPC		MTPS Stg-II	390	390	108.9714	37.56	826.64	57.72		
		FSTPP# I&II (3x200+2x500)	1600.00	1600.00	644.93	54.18	3215.52	54.73		
		FSTPP (U# 6)	500.00	500.00	236.05	63.45	1216.26	66.25		
		KhSTPP (4x210+3x500)	2340.00	2340.00	733.90	42.15	5640.52	65.64		
		TSTPP (2x500)	1000.00	1000.00	611.95	82.25	3210.70	87.44		
		BARH STPS II (2X660)	1320.00	1320.00	618.83	63.01	2542.35	52.45		
		BRBCL # 1,2,3(3X250 MW)	750.00	750.00	259.92	46.58	1388.50	50.42		
		NSTPS	660.00	660.00	445.66	90.76	2063.92	85.16		
		DSTPP	800.00	800.00	310.45	52.16	1250.49	42.57		
		Total NTPC	9360.00	9360.00	3970.66	57.02	21354.90	62.13		
		NHPC	HYDRO	Rangit (3x20)	60.00	60.00	21.61		139.71	
				Teesta (3x170)	510.00	510.00	382.01		1598.14	
				TLDP -(4x33+4x40)	292.00	292.00	191.29		705.17	
Total NHPC	862.00			862.00	594.91		2443.02			
	Thermal	MPL (U#1&2)	1050.00	1050.00	503.23	64.42	2599.12	67.41		
		APNRL (U#1,2)	540.00	540.00	294.95	73.41	1166.18	58.81		
		GMR (2x350)	700.00	700.00	485.42	93.21	1755.42	68.29		
		JITPL (2X600)	1200.00	1200.00	418.33	46.86	2379.57	54.00		
		CHUZACHEN** (2x55)	110.00	110.00	85.31		302.66			
		JORETHANG (2x48)	96.00	96.00	57.72		216.12			
		TEESTA URJA St III (6x200)	1200.00	1200.00	898.25		3601.72			
		Tashilding (2x48.5)	97.00	97.00	57.69		233.66			
		DICKCHU (2x48)	96.00	96.00	78.75		294.17			
		TALCHER SOLAR	10.00	10.00	0.80		5.42			
		Total Thermal (E.R)	30195.00	30130.00	13270.63	59.20	63654.32	57.53		
EASTERN REGIONAL		Total Hydro (E.R)	5876.58	5876.58	2768.64		11279.81			
		Total RES	1488.68	1488.68	92.55		417.12			
		TOTAL (E.R)	37560.26	37495.26	16131.82		75351.24			
BHUTAN	Hydro	CHPC(4x90)	360.00	270.00	308.49		1162.45			
		Kurichu (4x15)	60.00	60.00	76.54		247.27			
		TALA (6x170)	1020.00	1020.00	632.72		1994.27			
		DAGACHU (2x63)	126.00	126.00	85.55		270.68			
		MANGDECHU(4x180)	720.00	720.00	542.93		1949.08			
		Grand Total	39846.26	39691.26	17778.06		80974.99			

CONTRIBUTIONS OF DIFFERENT CONSTITUENTS AT THE TIME OF REGIONAL PEAK
DURING THE MONTH OF AUGUST'2020 (30-8-2020)

Date 30-Aug-20
Time 21.00 Hrs.
Frequency 50.04 Hz.

(All Fig. in MW)

System/State	Installed	Effective	Hydro	Thermal	RES	Total
	Capacity	Capacity				
BSPHCL	1031	1021	0	0	0	0
JUVNL	597	597	45	234	0	279
DVC	7107	7107	105	4054	0	4159
ODISHA	4806	4796	1369	814	51	2235
WBSEDCL	6371	6326	986	3214	0	4200
TLDP	292	292	293	0	0	293
HEL HALDIA	600	600	0	544	0	544
CESC	1125	1125	0	701	0	701
DPL	550	550	0	0	0	0
SIKKIM	52	52	0	0	0	0
NTPC	9360	9360	0	6021	0	6021
NHPC	570	570	562	0	0	562
CHUKHA	360	270	388	0	0	388
KURICHU	60	60	92	0	0	92
TALA	1020	1020	796	0	0	796
MPL	1050	1050	0	655	0	655
OPGC (660 MW)	0	0	0	0	0	0
APNRL	540	540	0	344	0	344
Kamalganga (GMR)	700	700	0	476	0	476
JITPL	1200	1200	0	555	0	555
Chuzachen	110	110	109	0	0	109
Jorethang	96	96	100	0	0	100
TEESTA URJA St III	1200	1200	1215	0	0	1215
Tashilding	97	97	11	0	0	11
DICKCHU	96	96	105	0	0	105
<u>Daghachu</u>	126	126	103	0	0	103
<u>Solar</u>	10	10	0	0	0	0
<u>Mangdech</u>	720	720	631	0	0	631
<u>Total</u>	39846	39691	6910	17613	51	24574
Import From Captive:						1117
Export To:						
NER						1115
SR						1928
WR						-3260
NR						2613
Bangladesh						945
Nepal						158
Total						3499
➤ I Net Peak Demand Met (MW) :						22192

Indicates Export(+)/Import(-) of Power

Hourly Load Generation Data OF ER On Regional Peak Day During The Month of AUGUST*2020 (30-8-2020)

(All Figures in MW)

Generation			Import	Net	Net	Demand	Freq.	Load		
Hrs.	Hydro	Thermal	Total	from Captive	Import From Hydro of Bhutan	Export to other region	Met	Correction	Shed	Requirement
1	4137	18136	22273	1227	2144	4789	20855	-11	120	20964
2	4092	17290	21382	1139	2150	4002	20668	2	73	20743
3	3974	16842	20816	1096	2167	3793	20287	9	73	20369
4	4002	16614	20616	1101	2176	3868	20025	4	73	20101
5	4025	16581	20606	1098	2179	4110	19773	-5	73	19841
6	3618	16549	20167	1125	2174	4484	18982	-7	75	19051
7	3822	16312	20134	1104	2153	5243	18148	-6	56	18198
8	3825	16044	19868	1029	2145	5202	17840	-41	74	17873
9	3715	15803	19518	983	2143	4997	17647	-29	74	17692
10	3663	15509	19173	950	2148	4315	17956	-53	65	17968
11	3691	14981	18672	954	2136	3524	18237	-24	95	18309
12	3881	14727	18608	958	2114	3095	18586	11	95	18692
13	3939	14808	18747	978	2093	3442	18376	39	89	18504
14	3669	14651	18319	994	2088	2833	18568	-39	89	18618
15	3679	14581	18260	985	2063	2358	18951	-45	89	18995
16	3673	14668	18342	1014	1986	2724	18618	-33	88	18673
17	3759	14759	18519	1049	1979	3447	18099	-5	88	18183
18	3656	14948	18604	1067	1970	3950	17690	48	149	17887
19	4130	16581	20711	1103	1933	3688	20059	46	149	20253
20	4614	18264	22878	1119	1947	4262	21681	-19	238	21900
21	4951	17613	22564	1117	2010	3499	22192	-31	238	22399
22	4929	17301	22230	1115	2057	3311	22091	-2	222	22311
23	4794	16135	20929	1114	2054	2604	21492	2	222	21716
24	4566	15609	20175	1145	2052	2344	21028	0	222	21250

Hourly Load Generation Data of ER On Regional Lean Day During The Month of AUGUST*2020 (20-8-2020)

(All Figures in MW)

Generation			Import	Net	Net	Demand	Freq.	Load		
Hrs.	Hydro	Thermal	Total	from Captive	Import From Hydro of Bhutan	Export to other region	Met	Correction	Shed	Requirement
1	3537	15750	19287	1057	2313	3384	19273	-12	60	19322
2	3542	15594	19136	1093	2314	3339	19204	-8	61	19257
3	3451	14829	18279	1082	2310	3108	18563	0	71	18634
4	3382	14737	18120	1069	2310	3299	18199	18	70	18287
5	3252	14663	17914	1117	2308	3467	17872	8	72	17952
6	3129	14436	17565	1203	2295	3739	17323	-6	76	17393
7	3218	14820	18037	1246	2293	4830	16747	15	48	16809
8	3465	15083	18547	1253	2268	5735	16334	27	43	16404
9	3416	15036	18452	1278	2235	6035	15931	15	43	15989
10	3299	14892	18191	1227	2231	6029	15620	7	41	15669
11	3350	14252	17602	1212	2233	5680	15366	3	41	15410
12	3109	13910	17019	1146	2224	5491	14898	3	61	14961
13	3077	13667	16745	913	2227	5556	14329	-19	44	14354
14	3145	13022	16168	844	2251	5557	13706	-13	43	13736
15	3455	13072	16527	875	2237	5607	14032	25	53	14110
16	3596	13095	16691	909	2185	5950	13836	22	54	13912
17	3502	13265	16767	942	2149	6081	13778	61	43	13882
18	3297	13714	17011	964	2236	6005	14206	29	43	14278
19	4589	15048	19637	1105	2226	6000	16968	68	148	17184
20	4769	16984	21754	1240	2238	6739	18493	16	43	18552
21	4209	17314	21523	1244	2259	6513	18513	-11	31	18533
22	4064	17279	21343	1277	2263	6086	18797	-5	34	18827
23	4332	16238	20570	1215	2270	5448	18607	33	89	18728
24	3615	15798	19414	1279	2274	4997	17969	20	42	18031

NOTIFIED POWER CUTS/RESTRICTIONS ON INDUSTRIES & POWER SUPPLY TO AGRICULTURE SECTOR

FOR THE MONTH OF AUGUST'2020

POWER CUT / RESTRICTIONS

BSPHCL	NO NOTIFIED CUTS/RESTRICTIONS However there was loadshedding of 56.70 MU
JUVNL	NO NOTIFIED CUTS/RESTRICTIONS However there was loadshedding of 9.10 MU
DVC	NO NOTIFIED CUTS/RESTRICTIONS. However there was loadshedding of 0.00 MU
ODISHA	NO NOTIFIED CUTS/RESTRICTIONS However there was loadshedding of 0.00 MU
WEST BENGAL	NO NOTIFIED CUTS/RESTRICTIONS. However there was loadshedding of 2.93 MU

POWER SUPPLY TO AGRICULTURAL SECTOR

STATE	HOURS OF SUPPLY (AVERAGE / DAY)
BIHAR	18 HRS.00 MINS.
JHARKHAND	ABOUT 20 to 22 HRS.
ODISHA	24 HRS.
WEST BENGAL	23 HRS.

FREQUENCY DETAILS FOR THE MONTH OF **Aug-20**

D A T E	H O U R S										INST. FREQ.				15 MIN. INTEGRATED			
	00 TO 05	05 TO 10	10 TO 17	17 TO 22	22 TO 24	00 TO 24	<49.9 TO	49.9 TO	>50.05 TO	49.9 TO	MAX HZ	HRS.	MIN HZ	HRS.	MAX HZ	HRS.	MIN HZ	HRS.
	01-Aug	49.99	50.00	49.99	49.97	49.96	49.98	4.10	87.40	8.50	87.40	50.16	16:05:40	49.76	18:29:00	50.08	0:00	49.86
02-Aug	49.99	50.03	49.96	49.99	49.98	49.99	6.40	77.60	16.00	77.60	50.21	07:03:20	49.78	21:00:10	50.11	0:00	49.85	0:00
03-Aug	49.99	49.99	50.00	49.99	50.01	50.00	3.80	78.30	17.90	78.30	50.14	10:02:20	49.80	19:10:30	50.10	0:00	49.90	0:00
04-Aug	50.01	50.00	49.99	50.02	49.96	50.00	4.60	75.90	19.50	75.90	50.18	06:01:50	49.83	12:11:50	50.08	0:00	49.89	0:00
05-Aug	49.98	49.96	50.02	49.98	49.95	49.98	8.70	77.20	14.10	77.20	50.17	13:00:00	49.73	08:14:30	50.11	0:00	49.85	0:00
06-Aug	50.00	50.02	49.99	49.96	50.01	50.00	3.50	79.70	16.80	79.70	50.21	10:52:10	49.79	19:47:30	50.14	0:00	49.89	0:00
07-Aug	49.98	49.96	49.96	49.92	49.98	49.96	15.70	78.40	5.90	78.40	50.16	13:02:20	49.73	19:12:40	50.08	0:00	49.82	0:00
08-Aug	49.94	50.00	49.98	49.95	49.96	49.97	10.32	81.19	8.48	81.19	50.13	06:02:30	49.75	02:49:40	50.05	0:00	49.81	0:00
09-Aug	49.95	49.97	50.01	50.00	50.01	49.98	7.00	79.00	14.00	79.00	50.15	13:35:00	49.79	09:23:50	50.09	0:00	49.85	0:00
10-Aug	49.96	50.00	50.01	49.98	50.03	49.99	2.40	83.20	14.30	83.20	50.14	10:02:10	49.80	03:48:40	50.07	0:00	49.89	0:00
11-Aug	49.98	49.98	50.01	49.98	50.01	49.99	3.40	83.10	13.50	83.10	50.19	13:01:30	49.73	18:26:50	50.11	0:00	49.81	0:00
12-Aug	50.00	50.00	49.98	50.00	49.98	49.99	4.50	80.70	14.90	80.70	50.13	10:35:20	49.83	16:52:30	50.08	0:00	49.88	0:00
13-Aug	49.99	49.97	50.00	49.97	50.02	49.99	4.50	84.20	11.30	84.20	50.19	13:02:00	49.75	07:13:30	50.12	0:00	49.84	0:00
14-Aug	49.96	49.96	49.98	49.98	49.96	49.97	7.40	85.50	7.10	85.50	50.14	14:08:20	49.76	08:17:10	50.07	0:00	49.83	0:00
15-Aug	49.97	49.99	50.00	49.98	49.99	49.99	3.10	84.50	12.40	84.50	50.15	10:02:50	49.78	19:20:10	50.09	0:00	49.90	0:00
16-Aug	49.99	49.98	49.98	49.97	49.99	49.98	4.40	86.00	9.60	86.00	50.13	14:02:20	49.77	18:25:30	50.08	0:00	49.89	0:00
17-Aug	49.99	49.96	50.00	49.94	50.00	49.98	8.00	82.70	9.30	82.70	50.15	22:02:00	49.79	17:49:10	50.06	0:00	49.82	0:00
18-Aug	49.96	50.00	49.99	50.02	50.03	50.00	5.70	77.50	16.80	77.50	50.13	08:01:20	49.80	11:08:50	50.08	0:00	49.85	0:00
19-Aug	50.00	50.00	49.99	49.98	49.99	49.99	5.30	83.00	11.70	83.00	50.19	10:03:30	49.78	17:42:50	50.09	0:00	49.86	0:00
20-Aug	50.00	49.98	49.98	49.97	49.96	49.98	9.20	81.10	9.70	81.10	50.19	13:03:30	49.71	16:11:50	50.07	0:00	49.84	0:00
21-Aug	49.98	49.96	50.00	49.96	49.98	49.98	7.90	82.70	9.40	82.70	50.22	13:33:00	49.80	14:26:10	50.11	0:00	49.78	0:00
22-Aug	49.98	49.99	50.03	49.97	50.01	50.00	3.90	77.70	18.40	77.70	50.19	10:02:00	49.83	19:19:40	50.10	0:00	49.87	0:00
23-Aug	49.98	50.00	50.02	49.99	50.01	50.00	1.40	79.60	19.00	79.60	50.19	10:30:30	49.83	18:13:20	50.10	0:00	49.92	0:00
24-Aug	50.01	49.99	50.00	49.98	50.02	50.00	3.80	80.30	15.90	80.30	50.14	15:22:30	49.77	18:23:10	50.09	0:00	49.86	0:00
25-Aug	50.00	50.01	49.99	49.94	49.98	49.98	7.00	81.30	11.80	81.30	50.13	06:01:40	49.73	19:11:50	50.09	0:00	49.82	0:00
26-Aug	49.99	49.97	49.98	49.96	50.01	49.98	7.46	84.36	8.19	84.36	50.11	04:00:40	49.68	09:10:20	50.07	0:00	49.77	0:00
27-Aug	50.00	50.01	49.99	49.97	50.03	49.99	2.70	82.65	14.65	82.65	50.19	06:02:50	49.85	19:09:40	50.07	0:00	49.91	0:00
28-Aug	49.96	49.96	49.98	49.95	50.00	49.97	8.80	84.46	6.75	84.46	50.13	18:03:30	49.77	19:19:30	50.07	0:00	49.83	0:00
29-Aug	49.96	49.96	49.98	49.99	50.01	49.98	5.70	85.80	8.50	85.80	50.14	13:02:10	49.80	18:26:30	50.06	0:00	49.89	0:00
30-Aug	50.00	50.04	50.02	49.99	50.00	50.01	3.10	68.70	28.20	68.70	50.23	14:00:30	49.77	17:46:00	50.15	0:00	49.85	0:00
31-Aug	50.01	49.98	50.00	50.00	50.00	50.00	15.10	74.50	10.40	74.50	50.17	13:01:00	49.60	19:11:10	50.07	0:00	49.70	0:00
MAX	50.01	50.04	50.03	50.02	50.03	50.01	15.70	87.40	28.20	87.40	50.23		49.85		50.16		49.92	
MIN	49.94	49.96	49.96	49.92	49.95	49.96	1.40	68.70	5.90	68.70	50.11		49.60		50.05		49.70	
AVG	49.98	49.99	49.99	49.97	49.99	49.99	6.09	80.91	13.00	80.91	50.16		49.77		50.09		49.85	

SUMMARY:

Avg. Frequency : **50.0 Hz.**

Instantaneous Frequency :

Maximum Frequency : 50.23 Hz at 14:00 Hrs.

Minimum Frequency : 49.60 Hz at 19:11 Hrs.

15 Minutes Integrated Frequency :

Maximum Frequency : 50.16 Hz On 00/01/00 at 00:00 Hrs.

Minimum Frequency : 49.70 Hz On 00/01/00 at 00:00 Hrs

Frequency Distribution in % of Time			
Hz	<49.9	49.9-50.05	>50.05
% of Time	6.09	80.91	13.00

VOLTAGE ANALYSIS

MAXIMUM & MINIMUM VOLTAGES RECORDED AT IMPORTANT 400 kV S/S IN THE MONTH OF AUGUST'2020

(All figs. in kV)

PGCIL	BINAGURI		MAITHON		JEERAT		BIHARSHARIFF	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	425	406	423	398	420	390	422	396

PGCIL	MUZAFFARPUR		JAMSHEDPUR		ROURKELA		JEYPORE	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	419	386	419	403	416	400	423	411

DETAILS OF CONSTITUENT WISE LOAD SHEDDING IMPLEMENTED THROUGH UFRs IN THE EASTERN REGION

Expected Load Relief through UFRs by ER Constituent:

(All Fig. are in MW)

STATES/ UTILITIES	STAGE-I (49.4 Hz) (Inst.)	STAGE-II (49.2 Hz) (Inst.)	STAGE-III (49.0 Hz) (Inst.)	STAGE-IV 48.8 Hz (Inst.)	Total Load Relief by Control Area
BIHAR	98	99	99	101	397
JHARKHAND	61	62	61	62	246
DVC	134	135.5	136	137	542.5
ODISHA	181.5	183.5	184	186	735
WEST BENGAL (incl. CESC)	345.5	350	350	354	1399.5
TOTAL	820	830	830	840	3320

As decided in the National Power Committee (NPC) meeting held on 16.07.2013 and subsequently in the 89th OCC meeting of ERPC to implement the scheme w.e.f. 30.09.2013. Revised UFR Scheme (Stg-I 49.4Hz. Stg-II 49.2 Hz Stg-III 49.0 Hz and Stg-IV 48.8 Hz) implemented from March/ April-2020

A.

**WATER LEVEL OF MAJOR HYDEL RESERVOIRS OF THE REGION IN
Aug-20**

(All figs.in mtrs.)

Name of the Reservoirs	FRL	MDDL	As on last day of the		As on first day of this month & date	
			(31-08-20)	(31-08-19)		
Hirakud	192	180	191.20	189.89	184.54	01.08.20
Balimela	462	439	456.07	454.70	444.86	01.08.20
Rengali	123	109	123.64	121.82	113.62	01.08.20
Upperkolab	858	844	850.54	853.46	847.66	01.08.20
Indravati	642	625	636.85	640.34	630.70	01.08.20
Subernrekha	590	580	587.81	587.62	587.14	01.08.20

B.

CPP/IPP IMPORT by Eastern Region Constituents during Aug-20

(All figs. are in MU)

System	Tata Power	Cresent Power	JSPL, Angul	Sterlite	Jindal	NALCO	TISCO	Others	Total
JUVNL	0	0	0	0	0	0	0	0	41.10
West Bengal	52.31	26.66	0	0	0	0	0	34.50	113.47
ODISHA	0	0	15.46	264.45	4.59	7.70	0	399.29	691.49
DVC	0	0	0	0	0	0	13.91	0	13.91
TOTAL	52.31	26.66	15.46	264.45	4.59	7.70	13.91	433.79	859.97

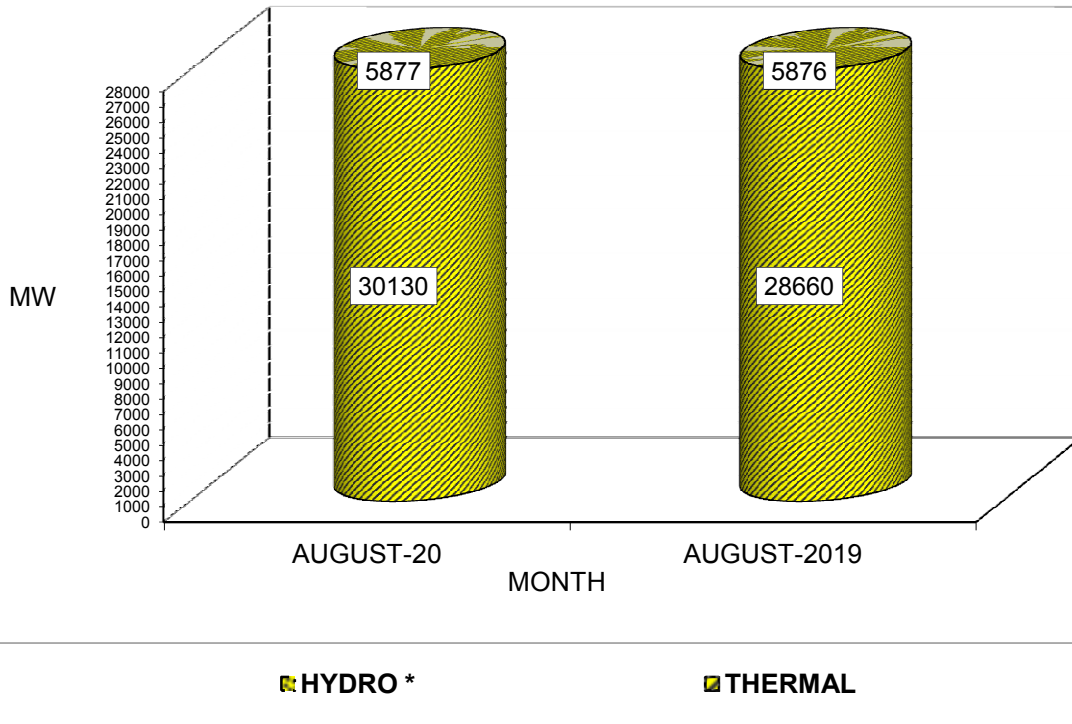
C.

Distribution of Schedule Supply among Key Customers by IPPs during Aug-20

(All figs. are in MU)

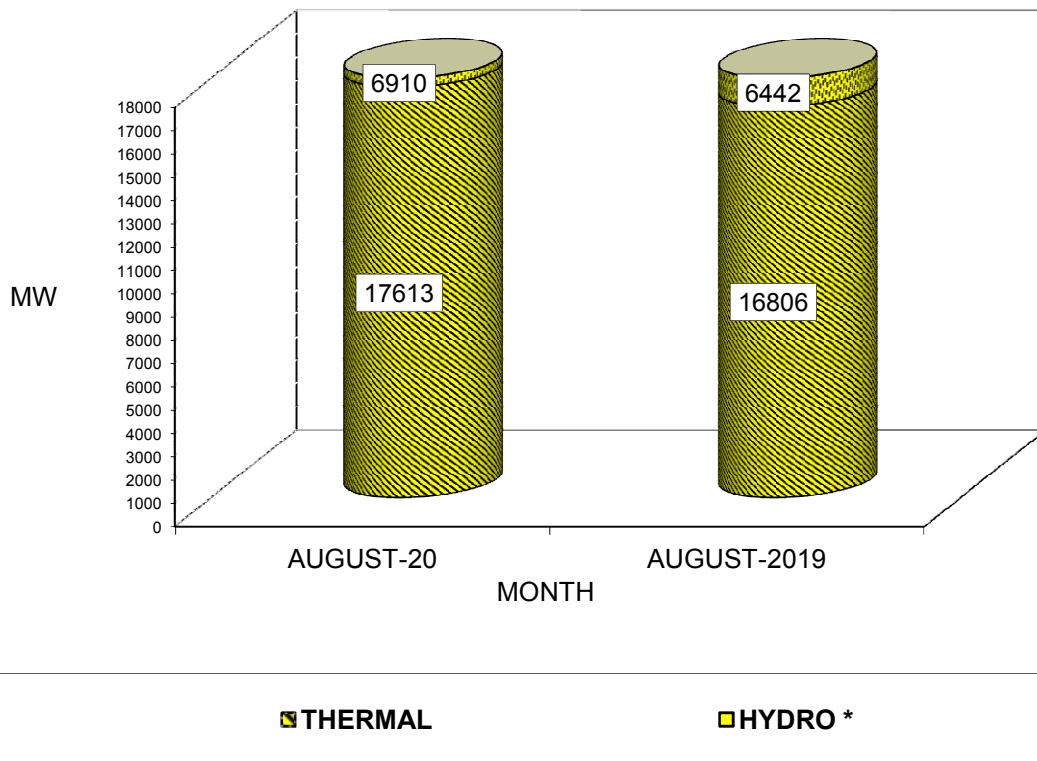
IPP	TPDDL	WBSEDCL/ WBPDCCL	DVC	Sale at IEX/NPCL	ODISHA	JSEB	CTU/Others	Total (Excl. Tr. Loss)
MPL	192.06	123.71	12.31	0.00	0	0	138.35	466.43
Sterlite	0	0	0	0	0.00	0	0.00	0.00
APNRL	0	51.00	0	0.00	0.00	140.00	80.00	271.00
Total	192.06	174.71	12.31	0.00	0.00	140.00	218.35	737.43

EFFECTIVE CAPACITY OF EASTERN REGIONAL GRID



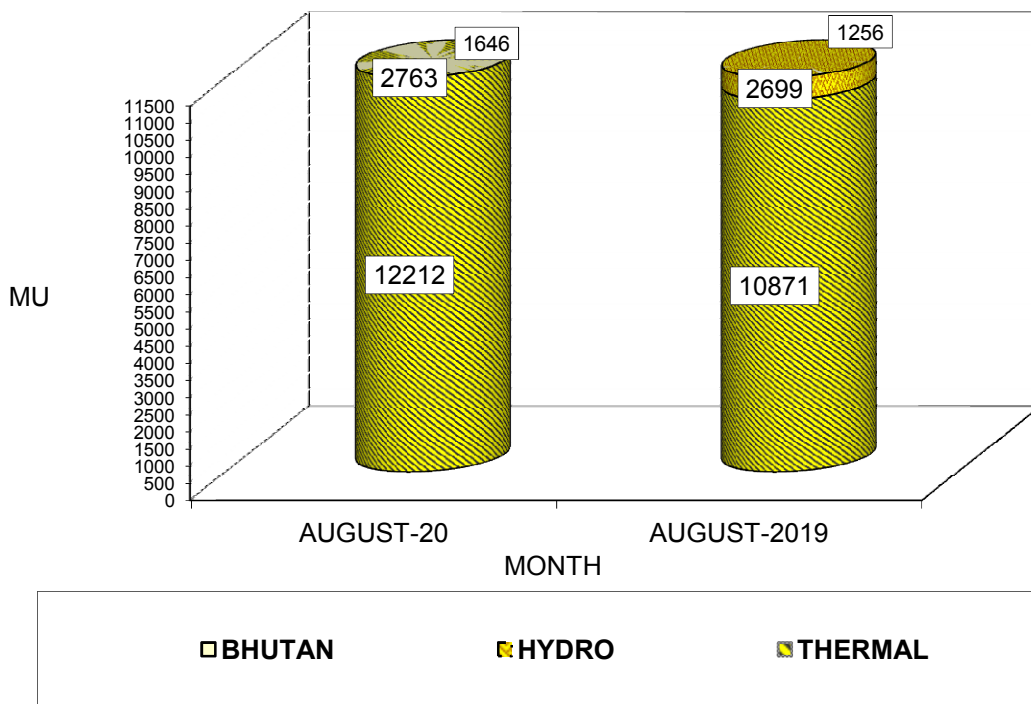
*Excludes contribution from HEPs of Bhutan

GENERATION CORRESPONDING TO PEAK DEMAND MET

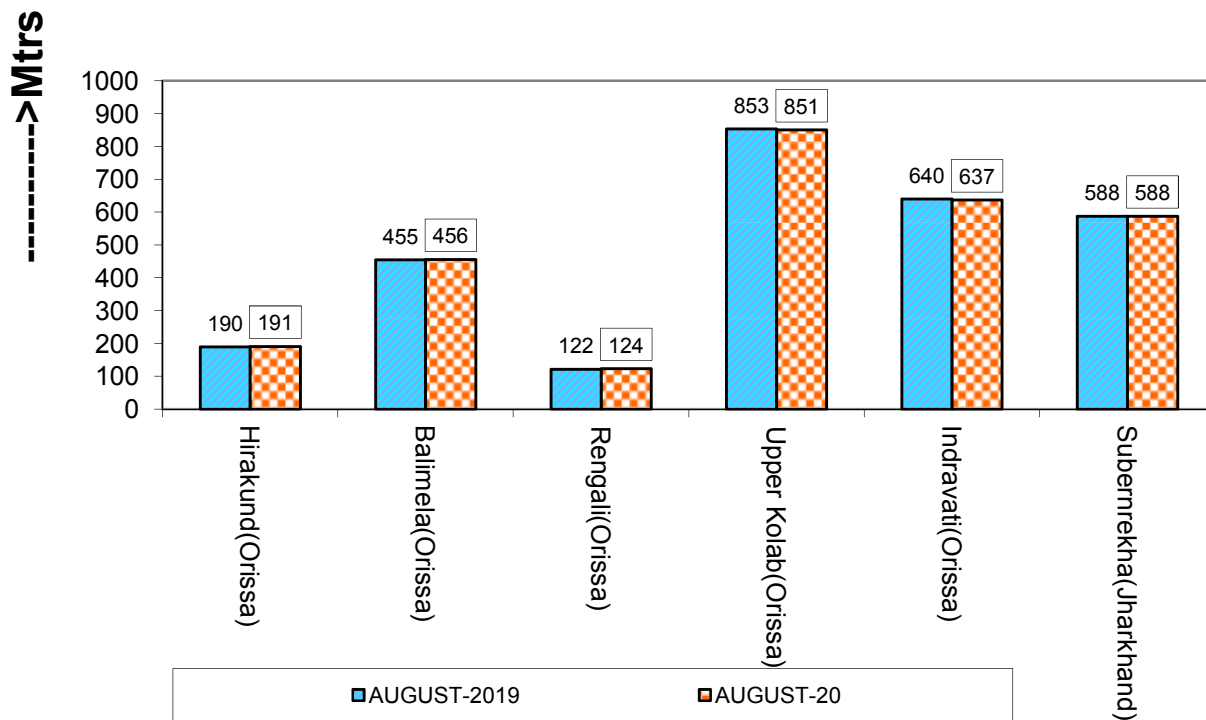


*Includes contribution from HEP of Bhutan

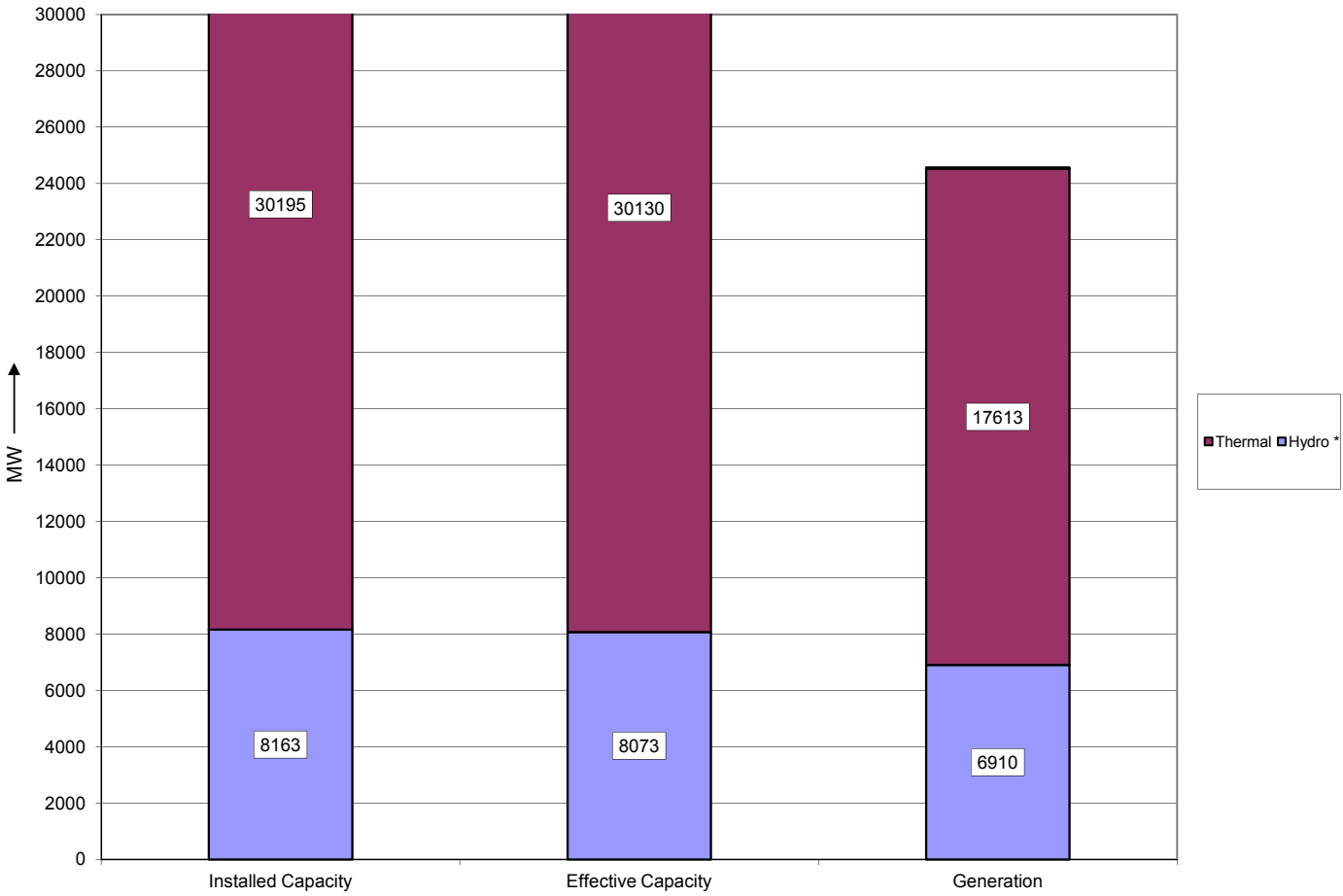
NET ENERGY GENERATION



RESERVOIR LEVEL OF HPS OF ER (RECORDED ON LAST DAY OF MONTH)

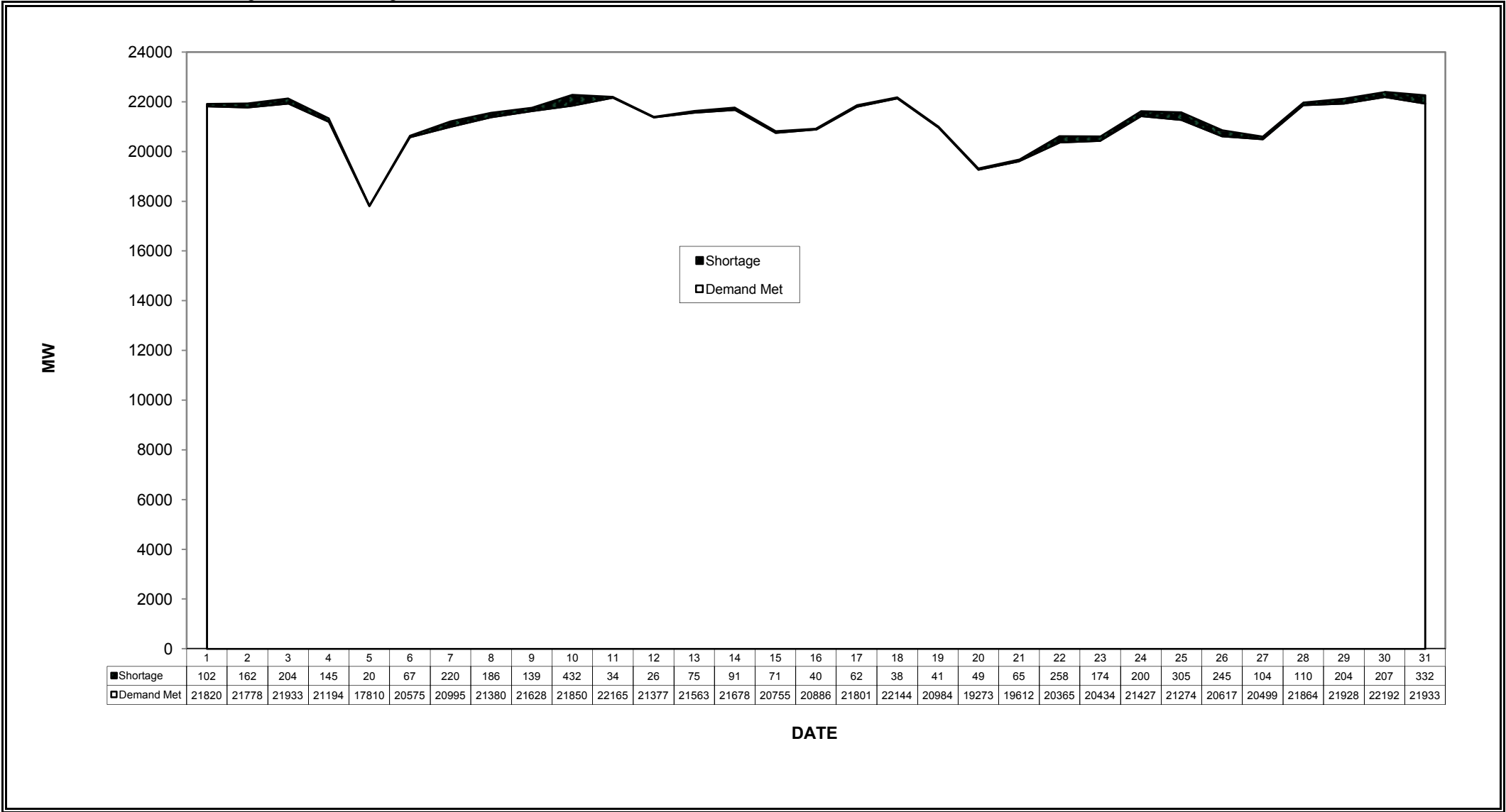


Capacity / Actual Generation Pattern of ER on Peak Day (30-8-2020) at 21.00 hrs.

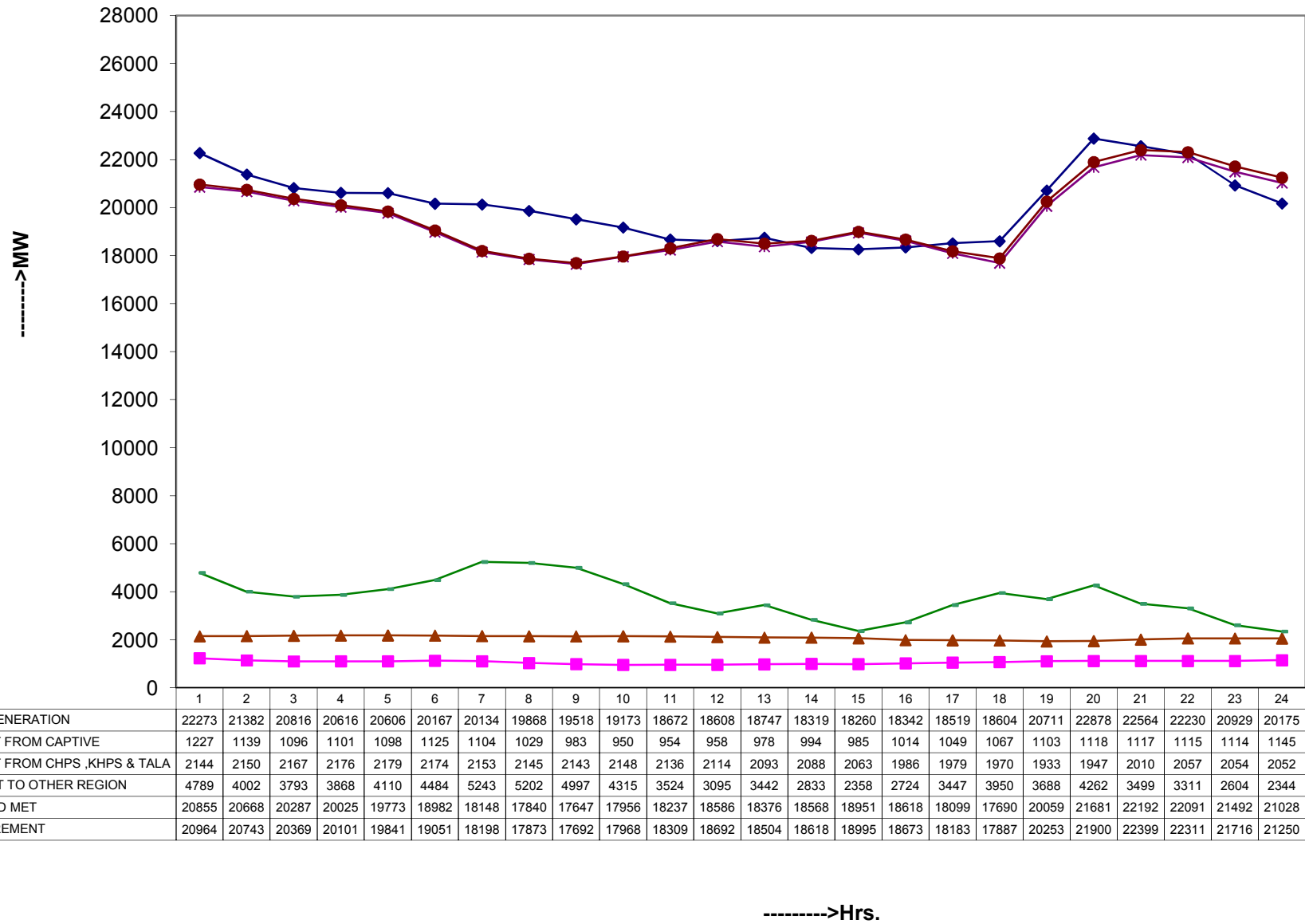


(*)--Includes contribution from HEP of Bhutan (Chukka, Kurichhu & Tala)

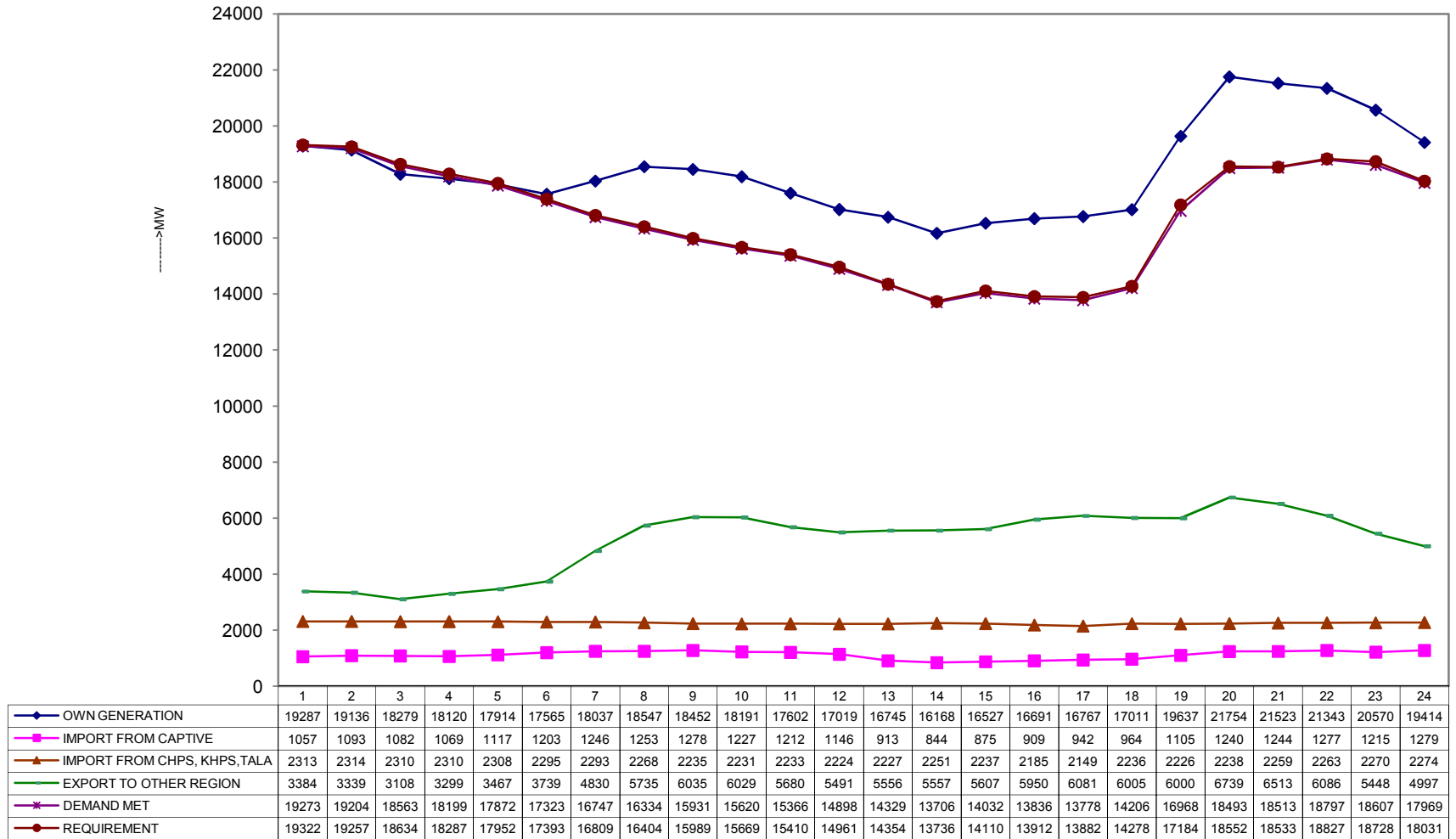
Peak Demand Met / Shortage of Eastern Region For The Month Of AUGUST'2020



Hourly Load Generation Data OF ER On Regional Peak Day During The Month of AUGUST'2020 (30-8-2020)



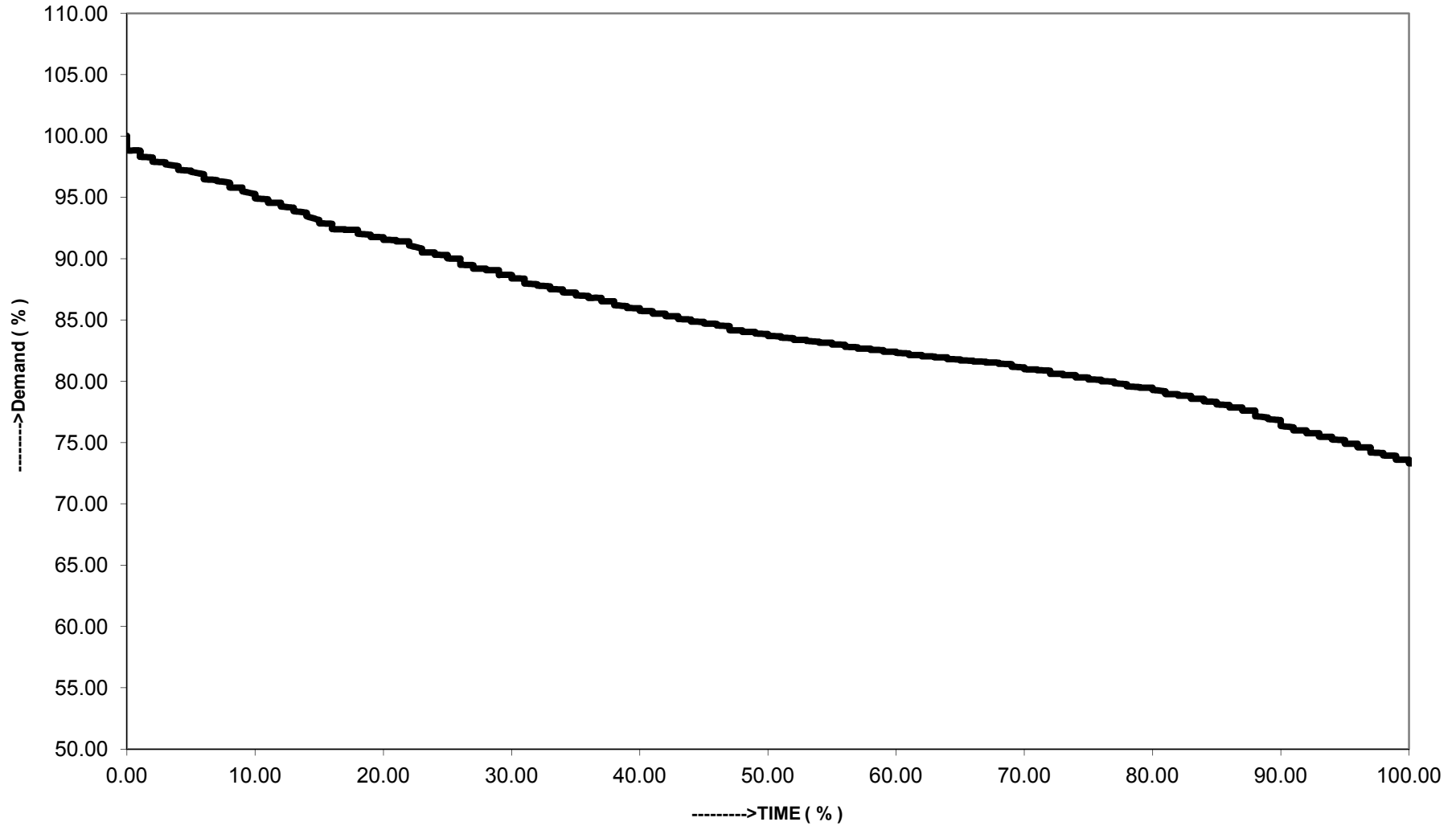
Hourly Load Generation Data of ER On Regional Lean Day During The Month of AUGUST'2020 (20-8-2020)



----->Hrs.

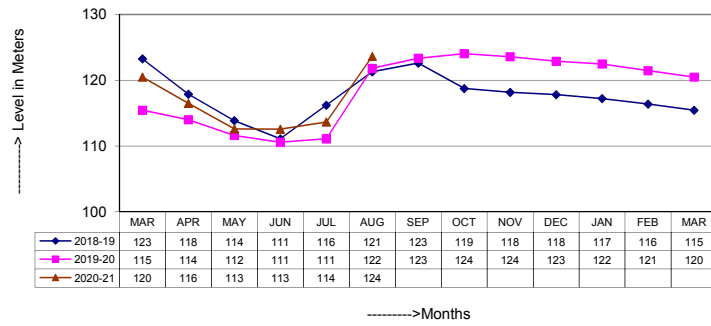
Monthly Load Duration Curve of Eastern Region for AUGUST-20

Maximum Demand met : 22192 MW
Minimum Demand met: 13706 MW

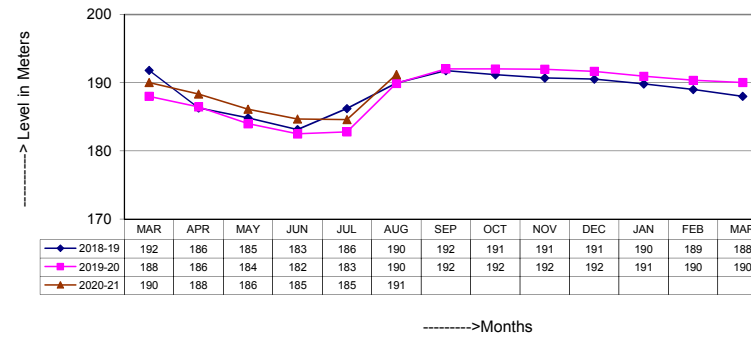


WATER LEVEL IN MAJOR RESERVOIRS ON LAST DATE OF MONTH

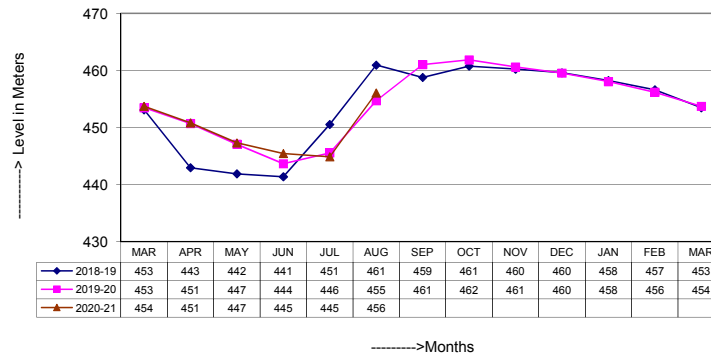
RENGALI RESERVOIR LEVEL



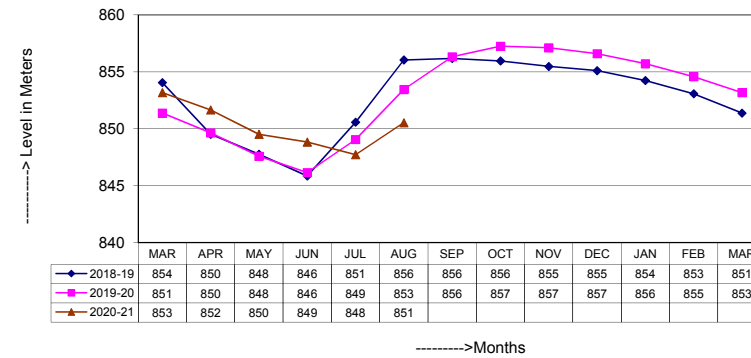
HIRAKUD RESERVOIR LEVEL



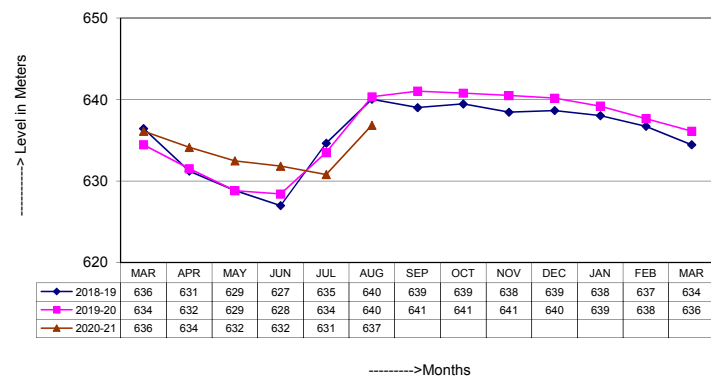
BALIMELA RESERVOIR LEVEL



UPPER KOLAB RESERVOIR LEVEL



INDRAVATI RESERVOIR LEVEL



SUBERNREKHA RESERVOIR LEVEL

